

List of voluntary stations of the Signal Service, with their respective observers, who furnish meteorological reports for the Monthly Weather Review. Reports have not been received from those marked with an asterisk (*) in time to be used in the Review for June, 1889.

Place of observation and observer.	Place of observation and observer.	Place of observation and observer.	Place of observation and observer.	Place of observation and observer.
ALABAMA. *Ashland, M. N. Manning. Auburn, Ala. Weather Service. Bermuda, Wm. Fowler. *Butler, B. F. Gilder. Citronelle, J. G. Michael. Columbiana, W. D. Lovett. *Elkton, D. J. Moore. *Gadsden, D. P. Goodhue. Livingston, Prof. J. W. A. Wright. Moses, A. M. Weiler. *Mount Willing, W. M. Garrett. New Market, Dr. Geo. D. Norris. *Perry, Jas. Waldman. Valley Head, E. P. Nicholson, M. D. Wiggins, M. D. Jones.	DELAWARE. Kirkwood, Wm. Carnagy. District of COLUMBIA. *Kendall Green, Deaf and Dumb Institute.	IOWA—Continued. Vinton, T. F. McCune. Washington, Wm. A. Cook. Webster City, C. M. Trumbauer. Wesley, Wm. Ward.	MASSACHUSETTS—Continued. Westborough, G. S. Newcomb. *Williamstown, Williams College Observatory. Worcester, J. B. Hall.	NEW YORK. Alfred Centre, F. S. Place. Angelica, J. P. Slocum. Ardena, Richard B. Arden. Auburn, Geo. Casey. *Barnes' Corners, W. C. Fawcley. Boyd's Corners, Thos. Manning. Canton, Henry Priest. Constanceville, R. Sanford Miller. Cooperstown, G. Pomeroy Keeso. Eden, W. P. Hunt. Elmira, Verity Brothers. Factoryville, T. P. Yates. Flamington, Robt. Warwick. Friendship, Jesse D. Rogers. Geneva, Mrs. N. S. Yates. Hess Road Station, C. H. Spaulding. *Hudson, M. P. Williams. Humphrey, Chas. E. Whitney. Ilion, G. A. Trowbridge. Ithaca, Cornell University. Ithaca, N. Y. Weather Service. Kingston, H. A. Stone. *Le Roy, Prof. F. M. Comstock. Lowville, W. Hudson Stephens. Lyons, Dr. M. A. Vesper. Middleburgh, F. X. Straub. Newfane Station, F. B. Clark. New York City, Central Park Observatory. Nineveh, W. J. Barnett. North Hammonds, C. A. Wooster. North Volney, J. M. Patrick. Number Four, Chas. Fenton. Palermo, E. B. Bartlett. Palmyra, L. D. Cummings. Pondville, W. D. Lovell. *Perry, Geo. H. Young. *Perry City, W. H. Jeffers. Potsdam, Peter Vilas; G. W. F. Smith. Queensbury, De Witt C. Jenkins. Salem, W. W. Hance. Saratoga Lake, Jas. P. Mills. Savona, M. S. Collier, M. D. Setauket, Selah B. Strong. Somerset, J. W. Thurber. South Canisteo, J. E. Wilson. South Kortright, D. C. Sharpe. Tannersville, H. M. Wilson, Jr., M. D. Utica, Thomas Birt. Wedgewood, O. F. Corwin. White Plains, Prof. O. B. Willis.
ARIZONA. Antelope Valley, Mrs. J. H. Hamilton. Cedar Springs, R. E. Norton. Curtis, Dr. R. B. Tripp. Flagstaff, M. J. Riordan. Florence, A. T. Colton, C. E. Gloucester, H. Hamill. Holbrook, David Rope. *Lochiel, Rochester Ford. Mount Huachuca, J. W. Stump. New River, J. F. Singleton. *Phoenix, S. H. Campbell. Teviston, Miss Mary Tevis. Tomestone, S. G. Bogg. Tucson, Edward L. Wetmore. Williams, J. T. Ryan. Willow Springs, F. A. Chamberlin. Winslow, C. J. Dillon.	FLORIDA. Altamonte Sp'gs, M. E. Bingham. Alva, Chas. E. Robins. Archer, A. P. Wyman. Fort Meade, A. H. Adams. Homeland, J. S. Wade. Kissimmee, E. E. W. Brewster. *Lake City, Dr. J. C. Neal. Manatee, Mrs. Mary W. Broberg. Matanzas, Mrs. B. E. Dupont. Merritt's Island, Rev. J. H. White. Tallahassee, Rev. Dr. W. H. Carter. Villa City, J. Emory Round.	KANSAS. Allison, John J. Cassa. Bendena, G. Campbell. Cawker City, A. G. Ulrich. Colby, C. E. Bennett. Cunningham, E. Shaw. Elk Falls, Dr. A. C. Williams. Emporia, Prof. T. H. Dinsmore, Jr. Englewood, G. D. Perry. Fremont, E. Atkin. Gibson, C. M. Bell. Globe, Wm. Featherston. Havensville, L. W. Dennen. Independence, J. M. Altaffer. La Harpe, Isaac S. Coe. Lawrence, Prof. F. H. Snow. Lebo, C. B. Jennings. *Leoti, A. P. Barker. Manhattan, C. P. Blachley. Manhattan, F. J. Rogers. Morse, R. P. Edgington. *Rome, D. M. Adams. Salina, J. H. Gibson. *Santa Fe, Judge A. P. Heminger. Sedan, J. W. Goodell. Topeka, Kansas Weather Service. Tribune, S. B. Jackson. Wakefield, Wm. P. Cochran. Wellington, John H. Wolfe. Yates Center, F. R. Gray.	MICHIGAN. *Benton Harbor, A. J. McCave. Borrien Springs, F. A. Zerby. Birmingham, S. Alexander. Harrisville, Dr. D. W. Mitchell. Hudson, Major A. H. Boies. Kalamazoo, W. A. Black. Lansing, Dr. H. B. Baker. Lansing, Mich. Weather Service. Marshall, G. H. Greener, M. D. Mottville, J. A. Hartzler. Thornville, John S. Caulkins. Traverse City, S. E. Wait. Ypsilanti, J. C. Bemiss. Ypsilanti, C. S. Woodard.	MISSOURI. Booneville, A. G. Smith. Kosciusko, L. Heyman. Logtown, C. D. Koch. Lonsville, B. T. Webster. Macon, A. T. Dent. *Palo Alto, W. H. Hill. Pontotoc, C. W. Bolton. Summit, J. N. Teunisson. University, Mississippi Weather Service. Waynesborough, W. S. Daries.
ARKANSAS. Lead Hill, Silas C. Turnbo. Little Rock, Arkansas Weather Service.	GEORGIA. Andersonville, H. W. Bryant. Athens, Prof. L. H. Charbonnier. Diamond, Wm. Kinzey. Duck, A. L. Gillespie. *Erastus, J. K. Sewell. Forsyth, Thos. G. Scott. Hephzibah, R. L. Rhodes. Marietta, G. S. Owen. Milledgeville, S. A. Cook. *Quitman, J. L. Cutler. Thomasville, C. S. Boudurant. Wolley's Ford, A. J. Julian.	MISSISSIPPI. Ashland, J. M. Ferguson. Bernstadt, John de Planta. Bowling Green, M. H. Crump. Palmyra, F. G. Held. Frankfort, E. G. Went. Franklin, T. W. McClintock. Louisville, Ky. Weather Service. *Madisonville, M. G. Dumeau. Madisonville, T. J. Gill. Millsboro, Rev. C. Pope. Mount Sterling, H. C. McKee. *Owensboro, Watkins & Carter. Owenton, J. S. Cox. Pellville, Oscar Haynes. Richmond, Prof. O. A. Kennedy. Shelbyville, H. W. Prissler. South Fork, A. B. Gilbert.	MISSOURI (Continued). Conception, Rev. Fr. Paul. Excelsior Springs, A. Reimisch. *Fayette, Prof. T. Berry Smith. Frankford, W. W. Vermillion. Grand Pass, E. R. Graham. *Lakeland, C. Ayres. New Frankfort, G. W. Hawkins. Ozark, J. J. Brown. *Pierce City, J. J. Spilman. Princeton, Dr. Wm. Hiron. Saint Louis, Missouri Weather Service. *Warrenton, Prof. J. H. Frick. Willow Springs, Capt. Wm. Hugh.	MISSOURI (Continued). Sheldon, Sarah E. Sheldon. Virginia City, Eugene Stark.
CALIFORNIA. Anderson, Dr. A. Fouch. Burstow, Geo. K. Gooding. Berkeley, Prof. F. Soule. Centerville, Wm. Barry. Cuyama, T. Saulsbury. Crescent City, D. S. Shotwell. Evergreen, S. Holland. Georgetown, C. M. Fitzgerald. Grass Valley, B. F. Berriman. *Hanford, Dr. W. H. Miller; A. E. Grili. Hydesville, E. T. Foss. Jolon, T. T. Tiddall. La Grange, Jos. Dominica. Lewis Creek, John Tuohy. Los Banos, A. Widmann. *Nicolas, Alvin Pendleton. Oakland, Dr. J. B. Trembley. Oroville, Hiram Arents. *Riverside, W. E. Keith. Sacramento, S. H. Gerrish. Salinas, Dr. E. K. Abbott. San Bernardino, A. K. Holt. San Luis Obispo, J. E. Lewis. Santa Barbara, H. D. Wallis. Santa Clara, A. Block. Santa Maria, L. E. Blochman. *Stockton, W. W. Trivett. Susanville, T. B. Sanders. Vacaville, G. O. Colburn. Walla Walla Creek, J. Pitcomb. Walnut Creek, A. L. Bancroft. Whentland, Wm. Lumbard. Willow, David Bentley.	ILLINOIS. *Charleston, J. B. Dazey. Collinsville, Dr. J. L. R. Wads-worth. Mattoon, Wm. Dozier. Mount Morris, Wm. Feary. Oswego, John S. Seely. Palestine, John E. Tompleton. Pekin, Rev. J. E. Perberg. Peoria, Dr. Fred. Brendle. Philo, H. A. Burr. Riley, John W. James. Rockford, T. D. Robertson. Sandwich, Dr. N. E. Bailton. *South Evanston, Dr. M. D. Ewell. Springfield, Ill. Weather Service. Sycamore, Roswell Dow. Windsor, A. H. Hatch.	INDIANA. Ashland, J. M. Ferguson. Bernstadt, John de Planta. Bowling Green, M. H. Crump. Palmyra, F. G. Held. Frankfort, E. G. Went. Franklin, T. W. McClintock. Louisville, Ky. Weather Service. *Madisonville, M. G. Dumeau. Madisonville, T. J. Gill. Millsboro, Rev. C. Pope. Mount Sterling, H. C. McKee. *Owensboro, Watkins & Carter. Owenton, J. S. Cox. Pellville, Oscar Haynes. Richmond, Prof. O. A. Kennedy. Shelbyville, H. W. Prissler. South Fork, A. B. Gilbert.	MISSOURI (Continued). Sheldon, Sarah E. Sheldon. Virginia City, Eugene Stark.	NEBRASKA. Ansel, P. Fowle. Brighton, George Roberts. Crete, Nebraska Weather Service. Crete, G. F. Gilbert. Culbertson, G. D. Carrington. David City, E. B. Taylor. De Soto, Chas. Seltz. Fairbury, Dr. I. Humphrey. Falls City, A. B. Newkirk. Fremont, Isaac E. Heaton. Gonca, George S. Truman. Hay Springs, Wm. Waterman. Kennedy, Mrs. M. G. Ericson. *Lincoln, University of Nebraska. Marquette, John Ellis. North Loup, E. W. Black. *Plum Creek, G. F. Cain. Stratton, J. B. Shino. Synapse, P. W. Risser. Tecumseh, W. L. Danlap. Weeping Water, G. Treat.
COLORADO. Bennet, I. S. Putnam. Colorado Springs, Colo. Weather Service. Coulter, Jesse E. Glick. Delta, J. A. Curtis. Denver, Rev. Wm. Forstall. Fraser, L. D. C. Gaskill. Fort Collins, Prof. J. G. Carpenter. Grand Lake, Jas. Cairns. Georgetown, W. A. Jayne, M. D. Greerley, E. Bethel. Palmer Lake, Thos. Gaddis, M. D. Rocky Ford, F. Watrous.	INDIANA (Continued). Butler, G. F. Hole. Dana, J. E. Wright. Huntertown, J. C. Hunter. Jeffersonville, J. C. Loomis. Lafayette, Ind. Weather Service. La Fayette, Purdue Institute. Matzy, Elwood Kirkwood. New Providence, Prof. E. S. Hullett. Point Isabel, Jas. F. Hood. *Salem, J. W. May. Scalpsville, Urias Wilson. Sunnam, B. F. Ferris. Vevay, Prof. Chas. Boerner.	MAINE. Bar Harbor, Joseph Wood. Cornish, Silas West. *Gardiner, Henry Richards. Kent's Hill, W. C. Strong. Orono, Prof. M. C. Fernald.	NEBRASKA (Continued). Carson City, Chas. W. Friend. Carson City, Nevada Weather Service.	NEBRASKA (Continued). Antrim, Frank W. Palmer. Berlin Mills, O. A. Bridges. Concord, W. L. Foster. Nashua, Chas. H. Webster. North Sutton, C. E. Husmer. Shaker Village, N. A. Briggs.
CONNECTICUT. Hartford, W. W. Ellsworth. New Hartford, Rev. Wm. Goodwin. Vulmont, Rev. E. Dewhurst.	INDIANA (Continued). Caddo Creek, B. Lening, M. D. Jintown, M. M. Yeakley. Lehigh, F. M. Madden.	MARYLAND. Barren Creek Springs, Albert E. Caworth. Abernethy, E. T. Shriver. *Fallston, Prof. G. G. Curtis. Frederick, McClintock Young. Gaithersburgh, J. T. De Sellum. Galena, Henry Parr. Jewell, Jos. Plummer. McDonough, McDonough Institute. *Mt. St. Mary's, Mt. St. Mary's College. Woodstock, Woodstock College.	NEBRASKA (Continued). Carson City, Chas. W. Friend. Carson City, Nevada Weather Service.	NEBRASKA (Continued). Antrim, Frank W. Palmer. Berlin Mills, O. A. Bridges. Concord, W. L. Foster. Nashua, Chas. H. Webster. North Sutton, C. E. Husmer. Shaker Village, N. A. Briggs.
DAKOTA. Brookings, Prof. Lewis McLouth. Carrington, H. M. Durbrow. Davenport, J. W. Leech. De Smet, Thos. H. Henth. Gallatin, S. J. Pount. Garden City, W. C. T. Newell. Kimball, A. S. Stuyver. New England City, E. S. Clough. Onida, Mrs. M. F. Goddard. Parkston, John J. Schwartz. Redfield, W. H. Dempster. Spearfish, J. H. Warren. Spring Lake, A. Gould. Steele, F. R. Hill. Webster, Arthur Betts. Wolsay, G. W. Frink. Woonsocket, L. O. Libbey.	INDIANA (Continued). Caddo Creek, B. Lening, M. D. Jintown, M. M. Yeakley. Lehigh, F. M. Madden.	MAINE (Continued). Cornish, Silas West. *Gardiner, Henry Richards. Kent's Hill, W. C. Strong. Orono, Prof. M. C. Fernald.	NEBRASKA (Continued). Carson City, Chas. W. Friend. Carson City, Nevada Weather Service.	NEBRASKA (Continued). Antrim, Frank W. Palmer. Berlin Mills, O. A. Bridges. Concord, W. L. Foster. Nashua, Chas. H. Webster. North Sutton, C. E. Husmer. Shaker Village, N. A. Briggs.
	INDIANA (Continued). Caddo Creek, B. Lening, M. D. Jintown, M. M. Yeakley. Lehigh, F. M. Madden.	MARYLAND (Continued). Barren Creek Springs, Albert E. Caworth. Abernethy, E. T. Shriver. *Fallston, Prof. G. G. Curtis. Frederick, McClintock Young. Gaithersburgh, J. T. De Sellum. Galena, Henry Parr. Jewell, Jos. Plummer. McDonough, McDonough Institute. *Mt. St. Mary's, Mt. St. Mary's College. Woodstock, Woodstock College.	NEBRASKA (Continued). Carson City, Chas. W. Friend. Carson City, Nevada Weather Service.	NEBRASKA (Continued). Antrim, Frank W. Palmer. Berlin Mills, O. A. Bridges. Concord, W. L. Foster. Nashua, Chas. H. Webster. North Sutton, C. E. Husmer. Shaker Village, N. A. Briggs.

